

DO NOT SCALE
FROM THIS PRINT

NOTES:

1. ⌀ REPRESENTS A CRITICAL DIMENSION.
2. PUSHOUT FORCE TO BE: 2 lb. (32oz) MIN.
3. ORIENTATION OF PART IN T&R MAY VARY DEPENDING ON POCKET.
4. MAX CUT FLASH .030 ON TAIL AND POST.
5. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE -LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. SAMTEC RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE -LC OPTION.
6. AVAILABLE ON -01 LEAD STYLE ONLY, MATES WITH SSW, SSQ, SSM, BCS, ESW, ESQ.
7. 50 POSITION PARTS ARE ONLY AVAILABLE FOR INTERNAL SAMTEC USE ONLY.
8. NOTE DELETED.

PLATING SPEC.

- T: MATTE TIN ON ENTIRE PIN
- S: 30μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- G: 10μ SELECTIVE GOLD IN CONTACT AREA, 3μ SELECTIVE GOLD ON TAIL
- L: 10μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- F: 3μ SELECTIVE GOLD IN CONTACT AREA, 3μ SELECTIVE GOLD ON TAIL
- H: 30μ SELECTIVE GOLD IN CONTACT AREA, 3μ SELECTIVE GOLD ON TAIL
- TL: TIN/LEAD (90/10+/-5%) CONTACT AND TAIL (-01 LEAD STYLE ONLY)
- STL: 30μ SELECTIVE GOLD IN CONTACT AREA, TIN/LEAD (90/10+/-5%) (LEAD STYLE -01 & -02 ONLY)
- TM: MATTE TIN CONTACT AND TAIL
- SM: 30μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- LM: 10μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- FM: 3μ SELECTIVE GOLD IN CONTACT AREA, MATTE TIN ON TAIL
- SS: 30μ STRIPE SELECTIVE GOLD IN CONTACT AREA, MATTE TIN TAIL (SEE NOTE 6)

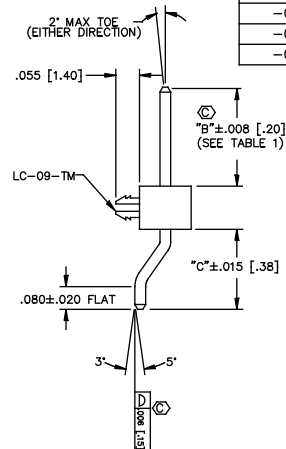
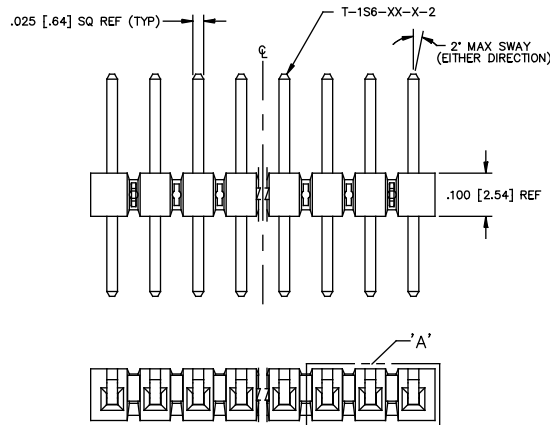
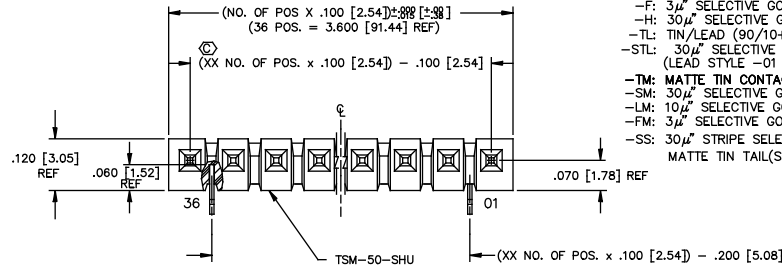


FIG 1
-LC: LOCKING CLIP OPTION
CLIPS N/A WITH -A OPTION.

DIMENSIONS ARE IN INCHES			UNLESS OTHERWISE NOTED		TOLERANCES ARE:		TITLE:	DWG NO:
ONE PLACE DECIMALS ±.1 [3]			THREE PLACE DECIMALS ±.005 [.13]		ANGLES ± 2°		TERMINAL STRIP	TSM-1XX-XX-XXX-SH-XX-XXX-XX
TWO PLACE DECIMALS ±.01 [.25]			FOUR PLACE DECIMALS ±.0020 [.051]				SINGLE SURFACE MOUNT	
								SHEET 1 of 2

TSM-1XX-XX-XXX-SH-XX-XXX-XX

No. OF POSITIONS
-02 THRU -36,
50 (SEE NOTE 7)

LEAD STYLE
SEE TABLE 1

OPTION #3

- P: PICK & PLACE PAD (SEE FIG 3)
USE PPP-08 (-04 THRU -36 POSITION OR 02 & 03 POSITION WITH -TR ONLY)
- TR: TAPE & REEL (-02 THRU -30 POSITION)
(LEADS MAY NOT BE VISIBLE FOR CUSTOMER VISUAL INSPECTION ON SMALLER POSITION PARTS WHEN USED WITH -P OPTION.)
- K: POLYIMIDE FILM (SEE FIG 6, SHT 2)
(-04 THRU -36 POSITION)
(-02 & -03 POSITIONS WITH -TR ONLY)
(USE K-DOT-.197-.344-.005)

OPTION #2

- XXX: POLARIZED POSITION
SPECIFY OMITTED PIN

OPTION #1

- LC: LOCKING CLIP (SEE FIG 1) (SEE NOTE 5)
USE LC-09-TM (-03 THRU -36 POS USE 2 PER STRIP)
(-02 POS USE 1 PER STRIP)
(USE TSM-50-SHU)
- A: ALIGNMENT PIN
(USE TSM-XX-SHU-XX BODY FOR MOLDED -A PINS, POS -02 THRU -50, SEE FIG 2, SHEET 2)
(USE TSM-50-SHU BODY FOR STAKED -A PINS, POS -04 THRU -50, SEE FIG 4, SHEET 2)

LEAVE BLANK FOR NO HOLD
DOWN OPTION (USE TSM-50-SHU SEE FIG 1,
CAN BE CUT TO POSITION) N/A ON STYLE -03

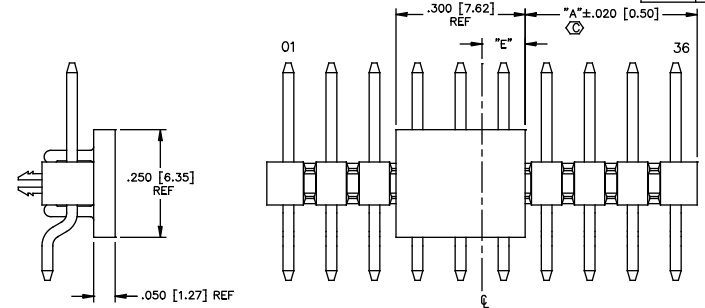
TABLE 1

LEAD STYLE	"B"	TERMINAL	"C"
-01	.230 [5.84]	T-1S6-08-X-2	.180 [4.57]
-02	.320 [8.13]	T-1S6-15-X-2	.190 [4.83]
-03	.420 [10.67]	T-1S6-09-X-2	.190 [4.83]
-04	.120 [3.05]	T-1S6-07-X-2	.190 [4.83]

DIFFERENT AS SHOWN. OTHERWISE SAME AS FIG 1

TABLE 3

POS.	"E"
ODD	.150 [3.81]
EVEN	.100 [2.54]



$$\text{FOR ODD: "A"} = \frac{(\text{NO. OF POS X .100 [2.54]} - .300 [7.26])}{2}$$

$$\text{FOR EVEN: "A"} = \left[\frac{(\text{NO. OF POS X .100 [2.54]} - .300 [7.26])}{2} \right] + .050 [1.27]$$

FIG 3
-P: PICK & PLACE PAD
PLACE PPP-08 ON ϕ AS SHOWN

MATERIAL:
BODIES:
LIQUID CRYSTAL POLYMER
COLOR: BLACK
TERMINALS:
PHOSPHOR BRONZE

samtec
520 PARK EAST BLVD. NEW ALBANY, INDIANA 47150
PHONE (812) 944-6733 P.O. BOX 1147
CODE 55322

MADE BY:

REIDINGER 7-19-91

EXISPROD/ASSEMBLY/100
TSM5HSM

SHEET 02

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